Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
59		С	F	0.80	0.03	х				·
60	C9	C	F	1.00	0.03	x	x	<b>V</b>		
61		C	C-B	6.00	0.20	x				
62		C	F	1.00	0.03	x				
63		c	В	0.60	0.02	x				
. 64		C	В	1.00	0.02	x				
65		c	F	1.20	0.03	x				
66		c	C-F	1.20	0.03	x		[]		
67		c	F	0.80	0.02	x				
68		С	M-F	1.60	0.10	Х				
69		С	F	0.80	0.02	х				
70		С	F	1.40	0.03	x	х	V		
71	147	C	F	2.20	0.05	x				
72		C	M-F	0.80	0.05	x				
73		C	В	1.80	0.05	x				
74		c	F	0.90	0.03	<b>x</b>				
75		С	F	0.80	0.05	x				
76		C	В	7.00	0.25	x		IJ —		
77		C	В	2.20	0.20	x				, , , , , , , , , , , , , , , , , , ,
78		C	В	7.00	0.05	x		П		
79		C	M-F	2.20	0.05	x		<u>.</u>		
							•	П		
80		С	В	10.00	0.20	X	X	7	n	Π

NSD - No Structure Detected

TR - Tremolite

F - Fiber

CR - Crocidolite

B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite

Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
81		С	F	0.90	0.02	x				
82		С	F	1.20	0.02	x				
83		С	F	3.00	0.02	x	•			
84	C3-C3	С	В	3.00	0.20	·				
85		С	F	1.20	0.05	x				
			F							
86		С		1.00	0.03	х				·
87		<b>C</b>	В	2.50	0.20	х .				
88		С	M-F	1.30	0:05	x				
89		С	M-F	1.20	0.05	x				
90		С	M-F	1.80	0.03	x	x			
91		С	M-B	2.20	0.20	x		V	<u> </u>	
92		С	F	0.60	0.02	x		Ц		
93		С	F	1.20	0.03	x				
										П
94		c	M-B	1.00	0.10	х				<u>:</u> ]
95		С	M-F	1.00	0.03	x				
96		C	F	1.00	0.03	x			Ш	Ü
97		С	M-F	1.20	0.03	X				
98		c	В	1.00	0.03	x			Ľ	
99		c	м-в	8.00	0.40	x				
100		C	F	1.00	0.03	x	v			
İ							<b>. X</b>	<b>∀</b>		<u> </u>
101		С	M-F	2.40	0.05	х		L	$\Box$	D
102		C	В	7.00	0.10	х			<u></u>	

NSD - No Structure Detected

TR - Tremolite

F - Fiber

CR - Crocidolite

B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite

Str#: SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
103	C	F	6.00	0.10	х			<del></del> 1	
104	_			0.00			Ц	Ш	
104	С	M-B	1.20	0.08	х				П
105	С	M-F	5.80	0.05	· <b>X</b>			*	
		•				•	. $\square$		
		•						M405	13 007

NSD - No Structure Detected

TR - Tremolite

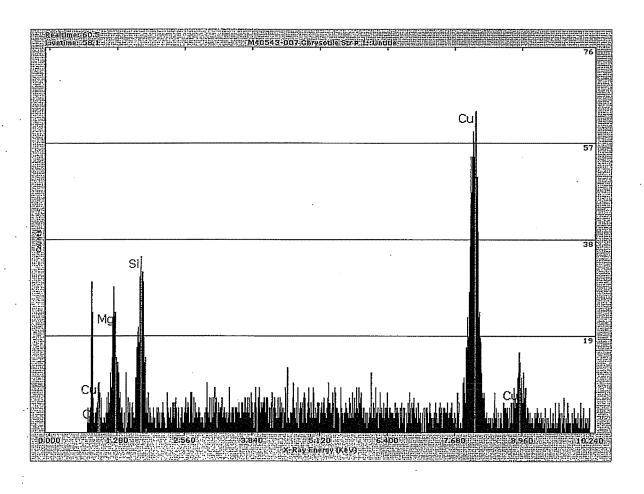
F - Fiber

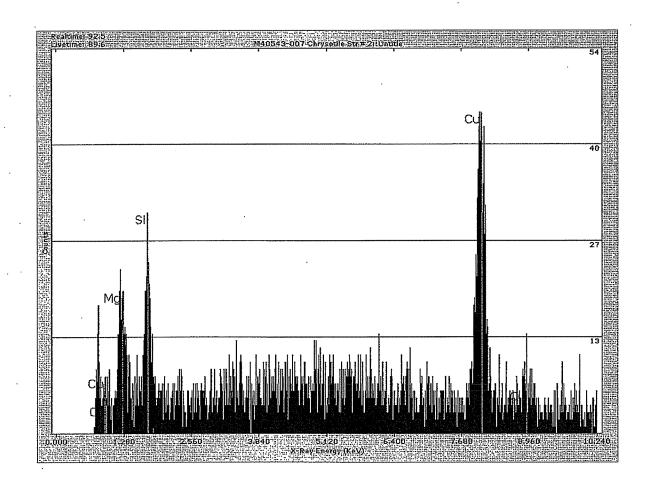
CR - Crocidolite

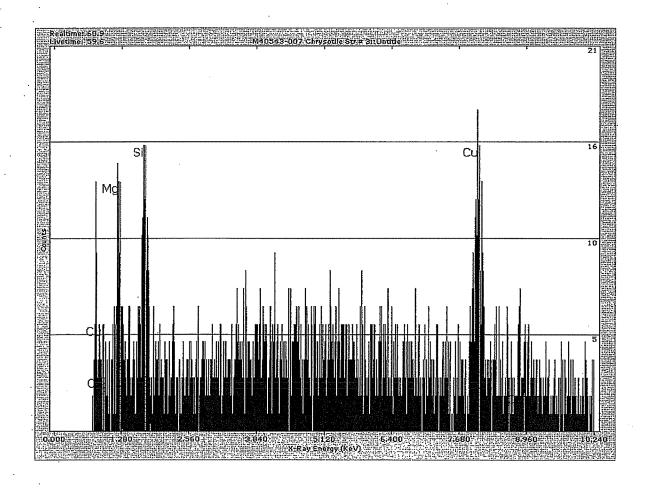
AN - Anthophyllite

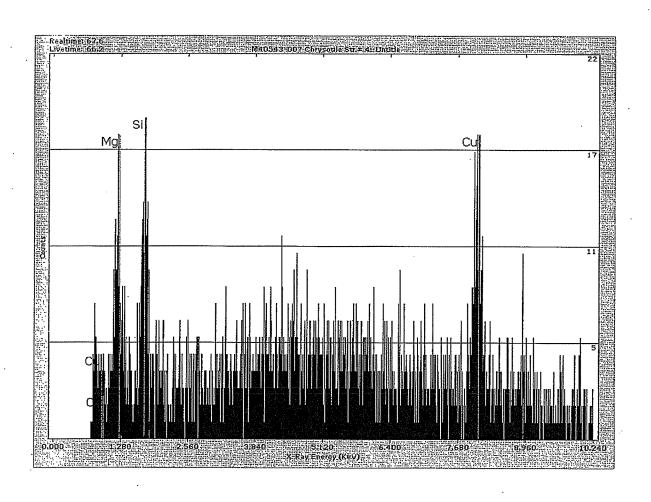
B - Bundle M - Matrix

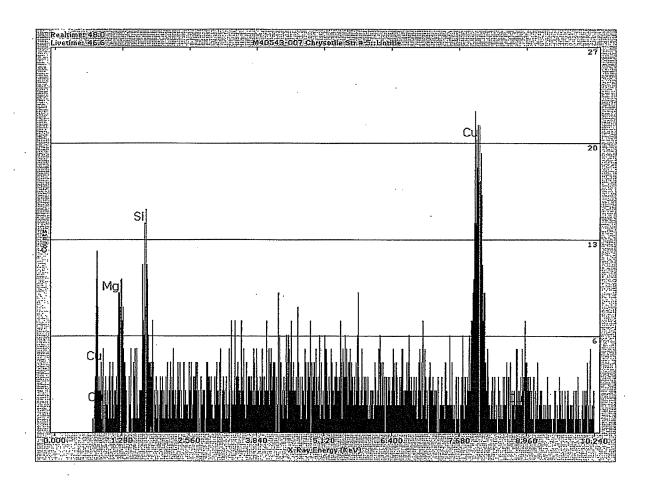
AC - Actinolite

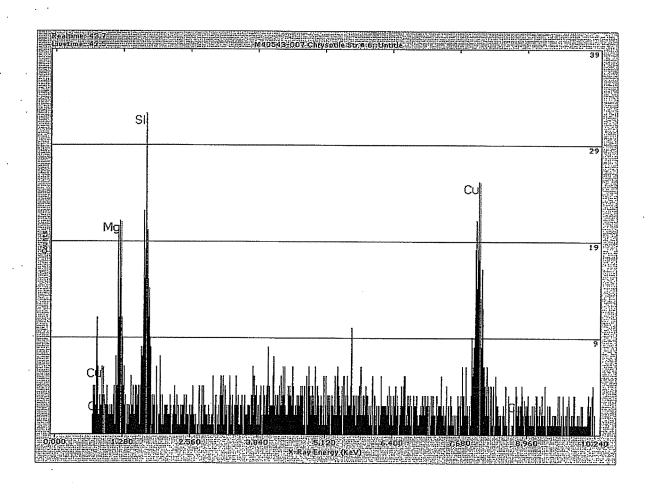


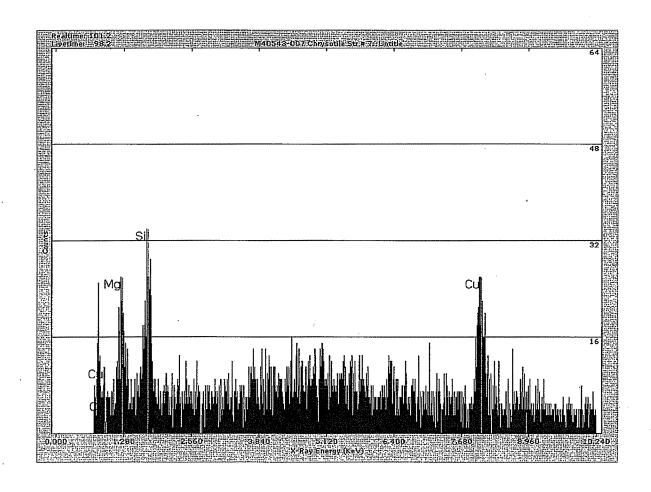


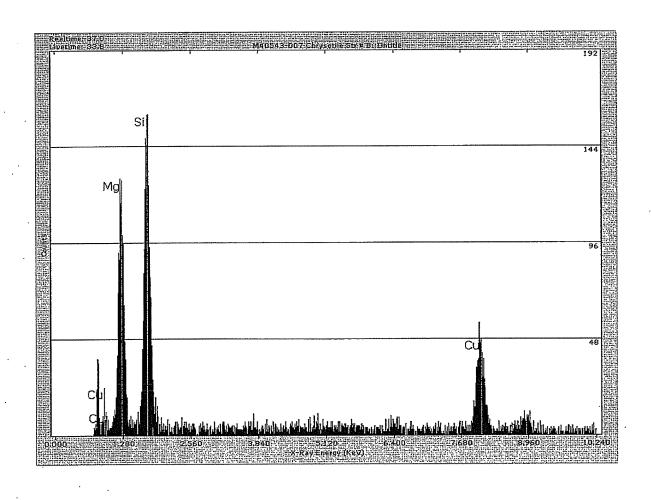


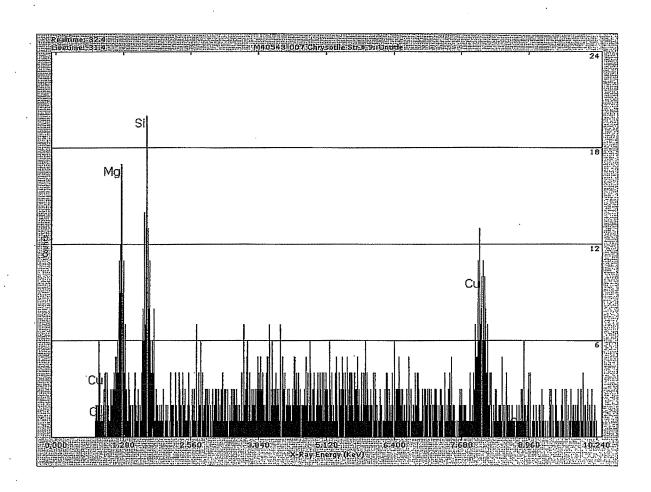


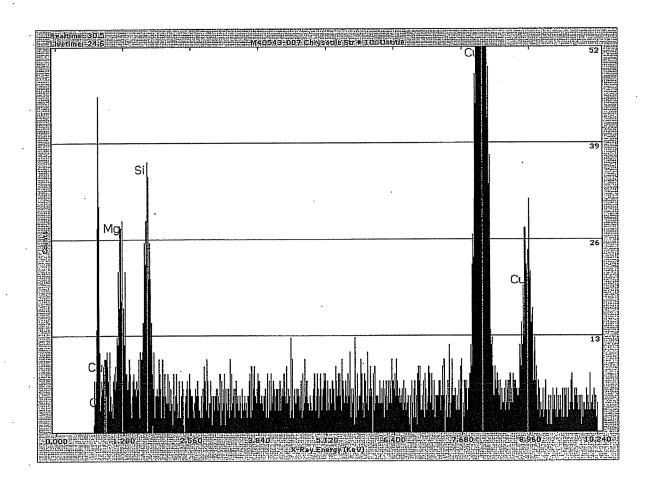


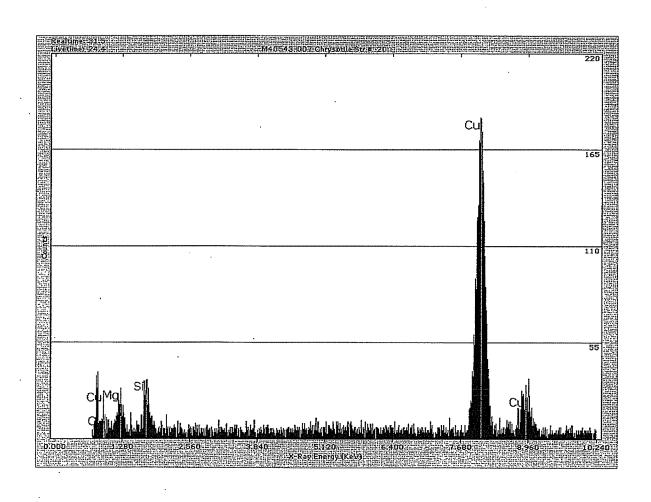


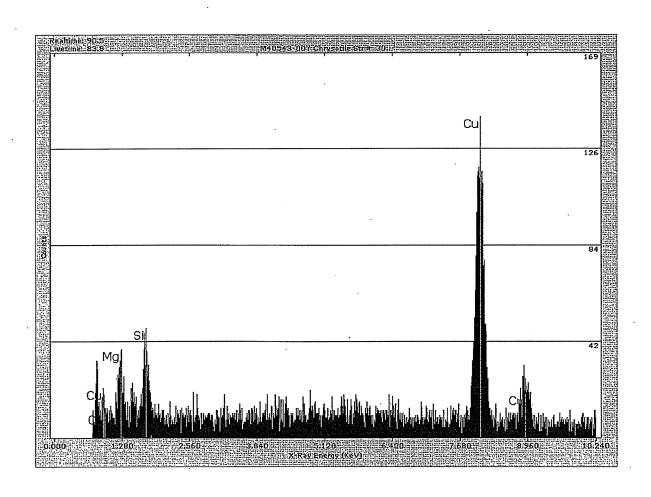


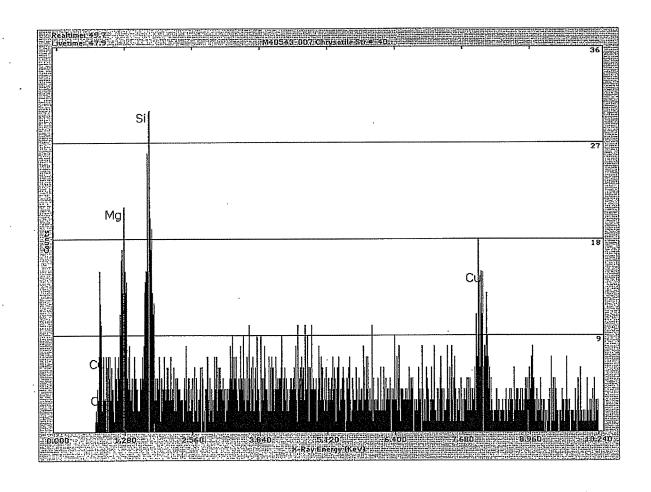


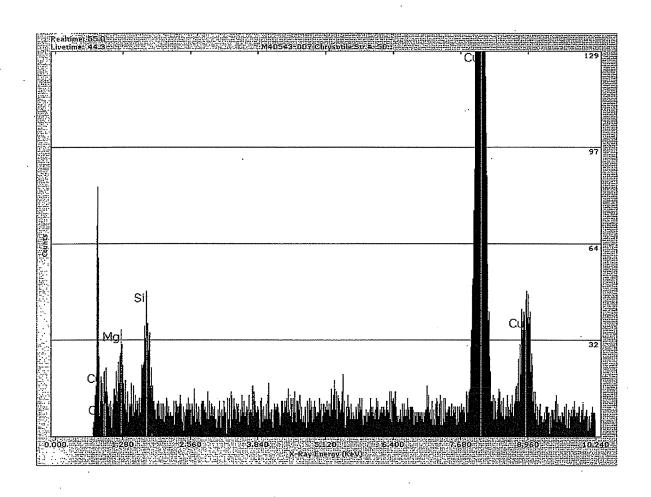


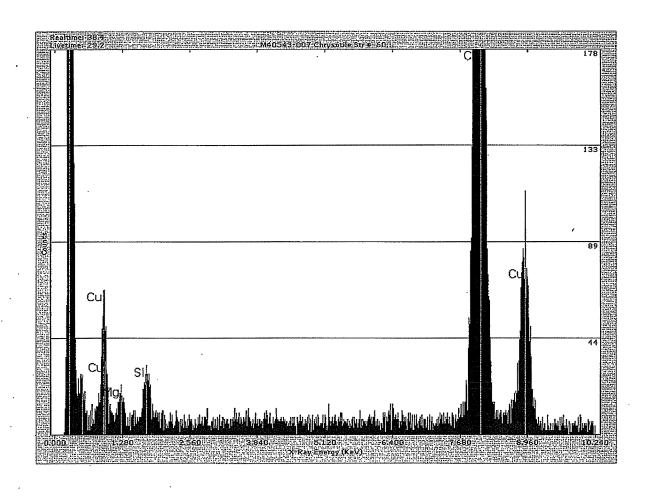


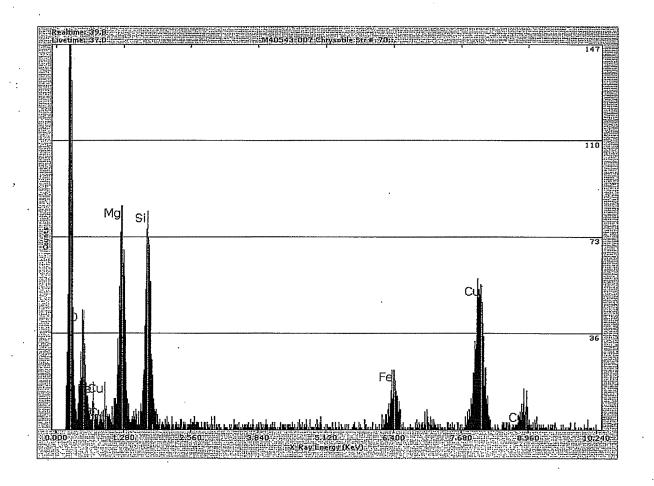


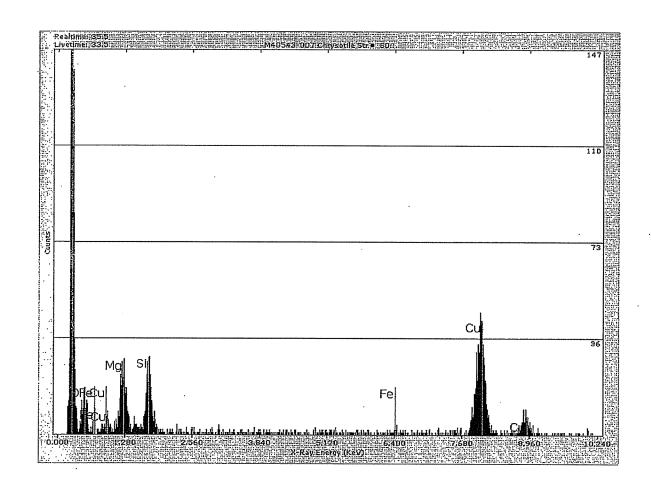


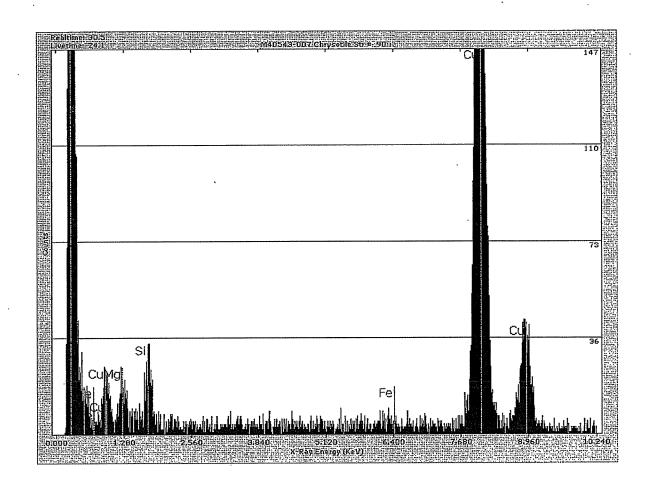


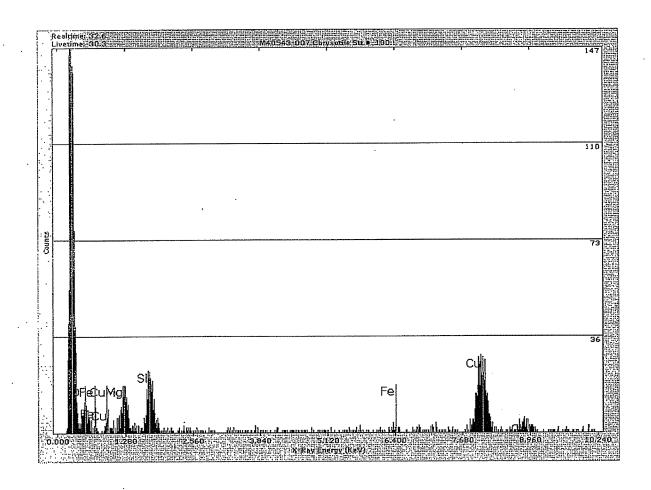












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Unit 4 Building
Arkansas State Hospital (ASH)

## TEM DUST ANALYSIS M40543 008

Dies and Hile, LLP Settled Dust Samples				3				Client Sample ID: A				1.4
	Sample Area/ Volume: Filter Type: Pore size: Effective Filter Area: Sample type: Analysis type: Grid Acceptance			100 cm2 MCE 47mm 0.45 1297 Dust Dust YES	20 %				Date Analy Ana Scope Nun erating Vol Indicated Screen I Grid	lyst: aber: tage: Vlag: Vlag:	10/10/2006 MAM 4 100 KV 25 KX 20 KX 7184, 7169, 7181,718	35
	tr<5 tr≥5	um: 2			ber of gri of openin			3: <u>103</u> 4: <u>102</u>	Averag Total Ar	ge Grid ea Anal		
	otal S olume	Str: <u>9</u> Filtered	9 ml		Str / s	sqr ft	1.170E+0	7		ir / cı		==
D	ilution	Factor	11.11111	Str /	sqr ft	>=5	2.599E+0	<u> </u>	Str / cr	n2 >	>=5 2.797E+0	3
	Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED	EDS:	Photo:	Sketch:	
		A10-E9		NSD								
	1	<b>G</b> 7	С	M-F	2.30	0.10	x	х	Z	П	П	
-		J5		NSD		•			[]	П		
		G4		NSD								
	2	F2	С	M-F	2.50	0.10	x	X	<u>~</u>			
	3		С	M-F	3.70	0.10	x	x	Ž			
	4		c	M-F	1.00	0.10	x	x	<b>~</b>	L		
	5		С	M-F	2.30	0.10	x	x	Ż	r::		
	6		С	M-F	1.80	0.05	x	x	Ž			
	7	A9-18	C	M-F	2.00	0.05	x	<b>x</b>	V	П		
		G6		NSD						П		
	8	<b>C</b> 9	С	M-F	11.50	0.10	x	x	·		:.· [7	
•	9	<b>D</b> 3	c	M-F	9.50	0.10	x	x				
									<b></b>		П	

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber

CR - Crocidolite

B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite

Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo: Sketch:
	G3		NSD						
								***************************************	M40543 008
								•	18140343 000

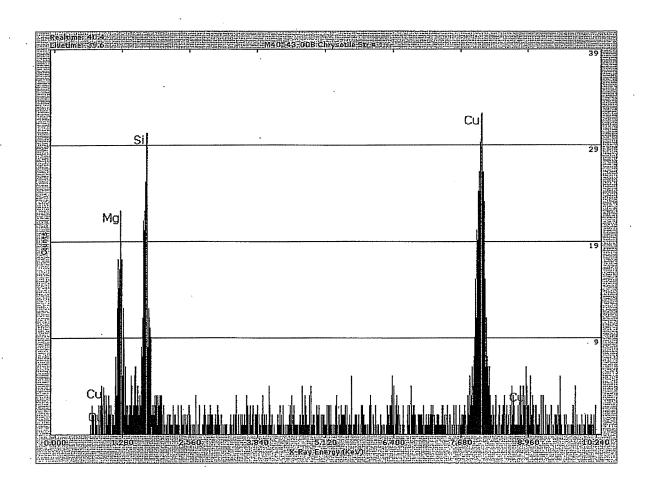
NSD - No Structure Detected

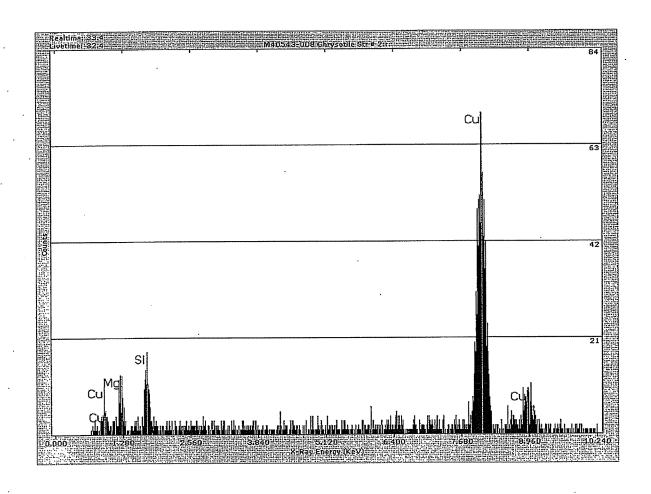
TR - Tremolite CR - Crocidolite F - Fiber

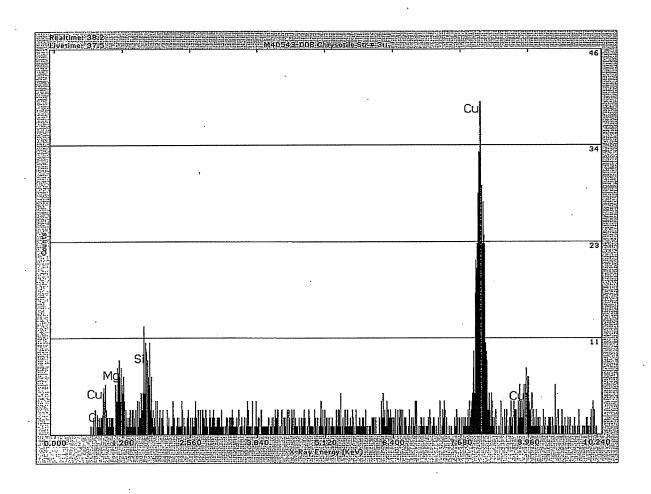
AN - Anthophyllite

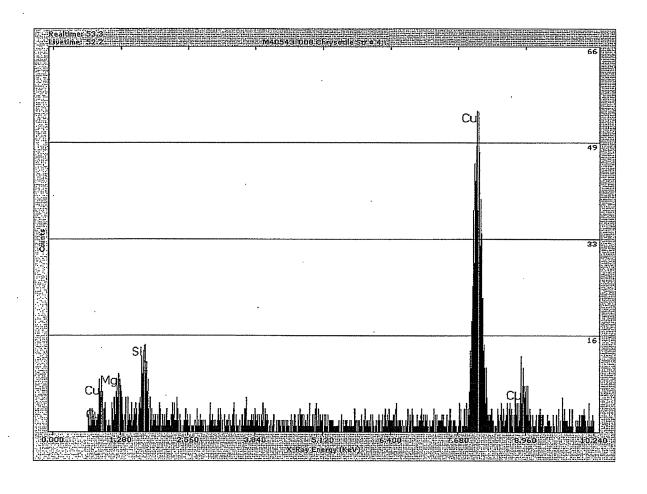
B - Bundle M - Matrix

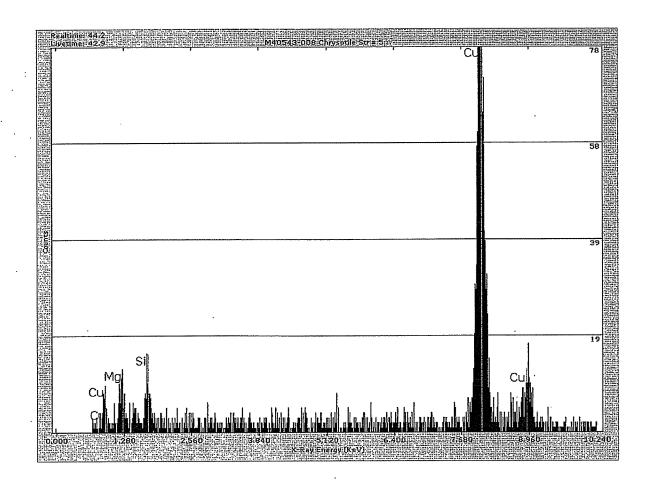
AC - Actinolite

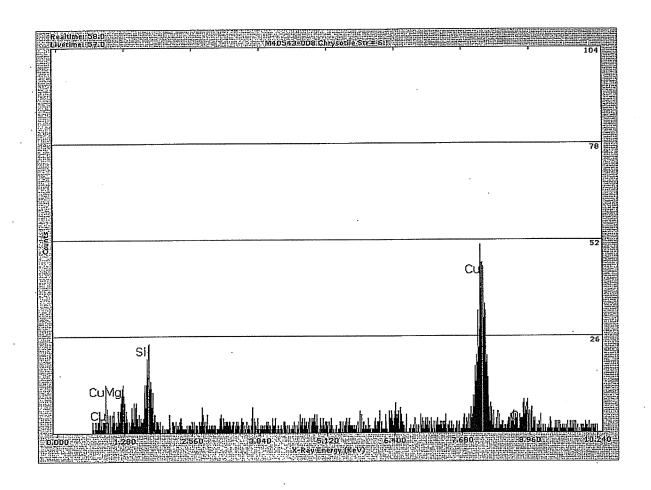


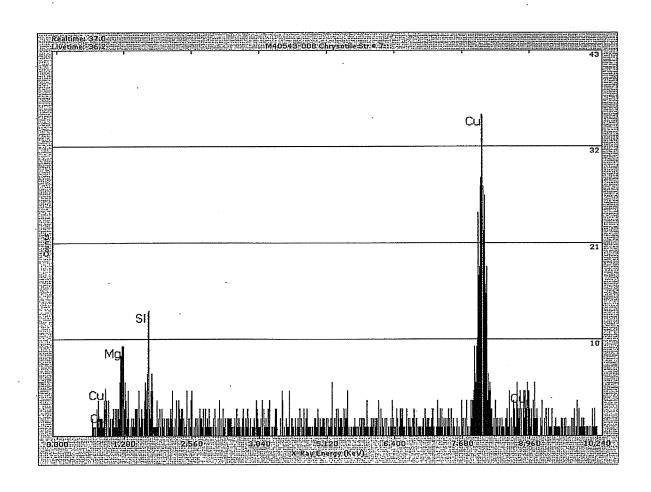


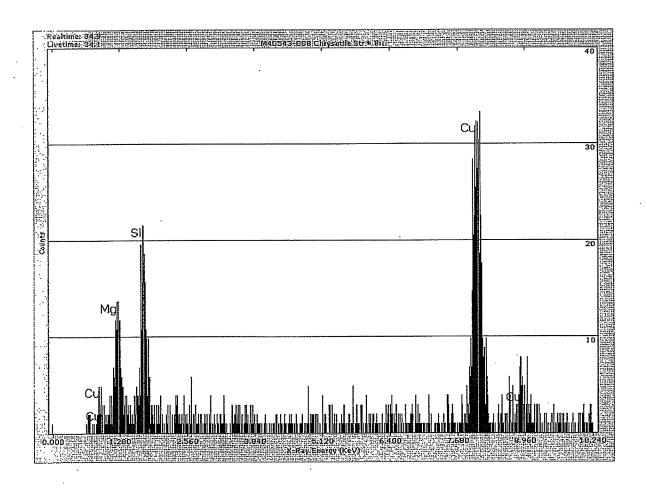


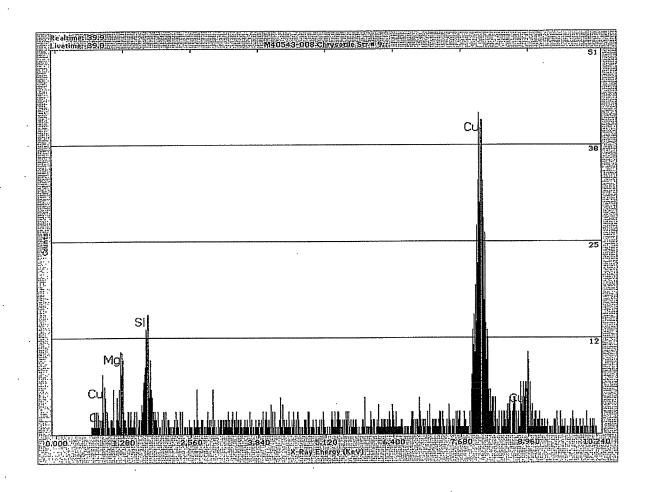












## TEM DUST ANALYSIS 009 M40543 Dies and Hile, LLP Client Sample ID: **ASH 42 Settled Dust Samples** Sample Areal Volume: Date Analyzed: 10/10/2006 100 cm2 MCE 47mm Analyst: MAM Filter Type: Pore size: 0.45 Scope Number: **Effective Filter Area:** 1297 Accelerating Voltage: 100 ΚV Indicated Mag: 25 Sample type: Dust ΚX Dust Screen Mag: 20 Analysis type: КX YES Grid\_box: 7184, 7169, 7181,7185 **Grid Acceptance** 20 % Number of grids: 2 #1: 103 #3: 103 0.010558 Str < 5um: Average Grid Size: 0 Str ≥5im: Number of openings: 10 #2: 103 #4: 102 Total Area Analyzed: 0.1061 Total Str: Str / sqr ft 1.427E+06 Str / cm2 1.536E+03 Volume Filtered 8 ml Str/sqrft >= 50.000E+00 Str / cm2 >=5 0.000E+00 **Dilution Factor** Width SAED: SquareID: Type: Structure: Length Morph: EDS: Photo: Sketch: 1 . E7-G1 C 2,50 0.10 X $\mathbf{x}$ V Ш E2 NSD Ш NSD **B3** J4 NSD F9 NSD D7-B2 NSD NSD **C6** NSD **E**3 **H**5 NSD NSD **J**6 M40543

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber

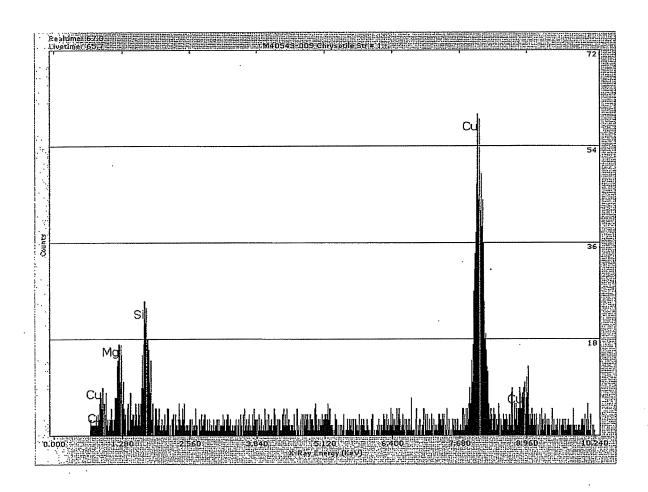
CR - Crocidolite

B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite



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Unit 1 Building
Arkansas State Hospital (ASH)

## TEM DUST ANALYSIS M40543 010

		le, LLP					Client	Sample	ID:	ASH	11
		Sample	<b>S</b>								
Sam	ple Area/ V Filte	/olume: r Type:	100 cm MCE 47mm	Da	ate Analy Ana	zed: lyst:		1/2006 Simpson			
		re size:	0.45				Sc	ope Nun	-		3
Effe	ective Filte	er Area:	1297				Accelera	ating Vol	tage:	1	00 KV
	Samp	le type:	Dust				in	dicated	-		25 KX
	Analysi		Dust				Scree		-		
	Grid Acce	ptance	Yes	25 %	Official and Discontinuous accordance			Grid_	box:	7	192
	Str < 5um: 22   Str ≥5um: 3						#3: 103 Average Grid Size: 0.010920 #4: 105 Total Area Analyzed: 0.044				
Total S Volume l		5 50 ml	Str / sqr ft 1.379E+0				7	St	r / cı	n2 1.4	85E+04
Dilution		2	Str	/ sqr ft	>=5	1.655E+0	6 S	Str / cr	n2 >	=5 1.7	82E+03
Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:	
1	E8-14	С	F	5.20	0.10	x	x	¥.		· 🗀	
2		С	F	0.70	0.05	x	M36334	<u>.</u>	<b>Z</b>	; ]	
3		c	F	1.00	0.10	<b>x</b> .	x				
4		С	F	3.00	0.10	x	x	<u>~</u>		П	
5		С	F	1.20	0.10	x	x	Ž			
6		С	F	1.00	0.10	x	x	<u>.</u>			
7		С	F	1.50	0.10	x	x	<b>⊻</b> <b>'</b>			
8	<b>G</b> 7	<b>c</b> .	F	0.60	0.10	x	x	<u>~</u>			
9		С	,F	4.30	0.10	x	x			П	
10		c	F '	2.00	0.10	x	x	¥.		:. ::	
11		c	F	1.00	0.10					; '	
12		С	F	1.20	0.10			L.		r. : F::	
13		С	F	1.00	0.10			L.;			

C - Chrysotile

**NSD - No Structure Detected** F - Fiber

TR - Tremolite CR - Crocidolite

B - Bundle

AN - Anthophyllite

AC - Actinolite

M - Matrix

Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:	
14		C	F	0.90	0.10						
15	E9-18	С	F	20.00	0.10						
16		С	F	0.50	0.10						
17		С	F	2.20	0.10						
18		С	F	0.70	0.10						
19		С	F	1.80	0.10						
20		С	F	5.00	0.10	x	x				
21	E8	С	F	0.80	0.10						
22		С	F	0.90	0.10						
23		С	F	1.00	0.10						
24		С	F	0.90	0.10						
25		С	F	. 0.60	0.10	•					
									M405	□ 43 010	

C - Chrysotile

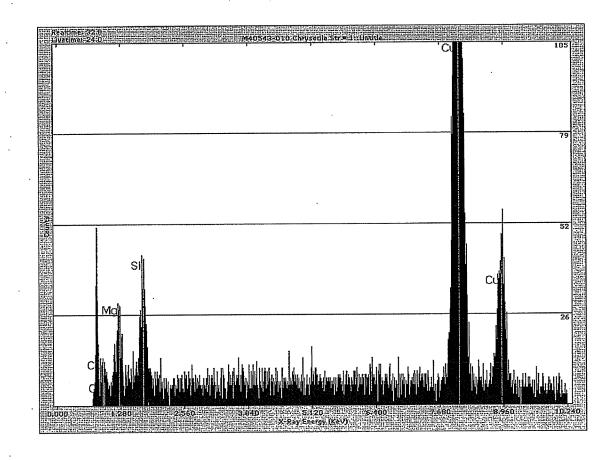
NSD - No Structure Detected

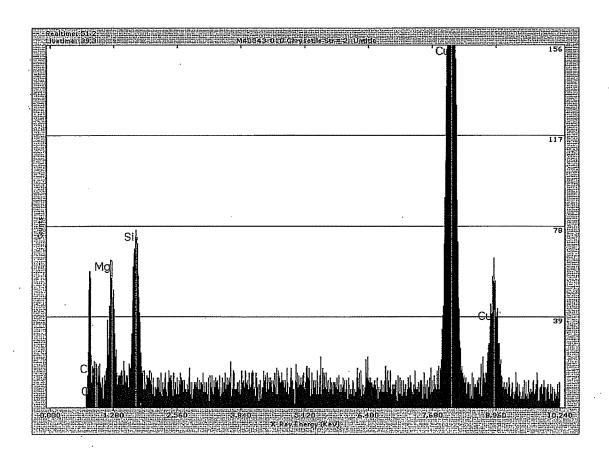
TR - Tremolite CR - Crocidolite F - Fiber B - Bundle

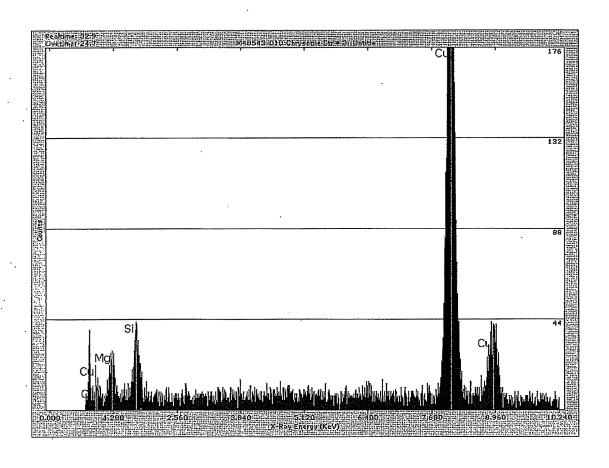
AN - Anthophyllite

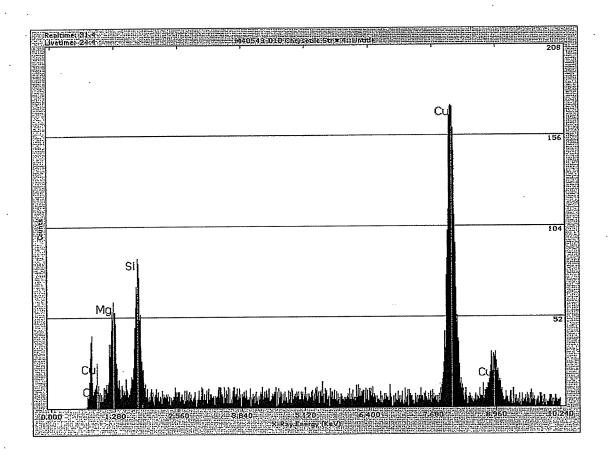
M - Matrix

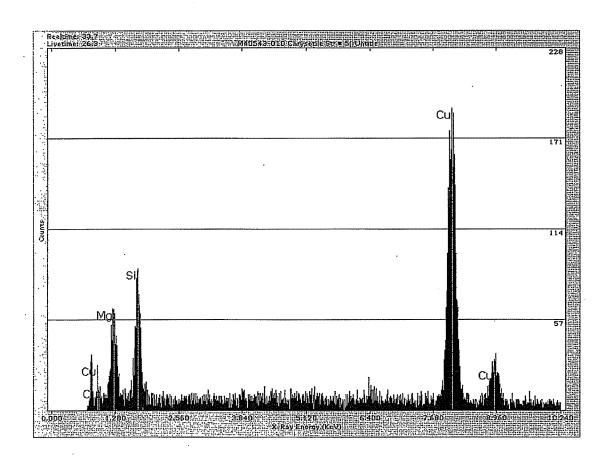
AC - Actinolite

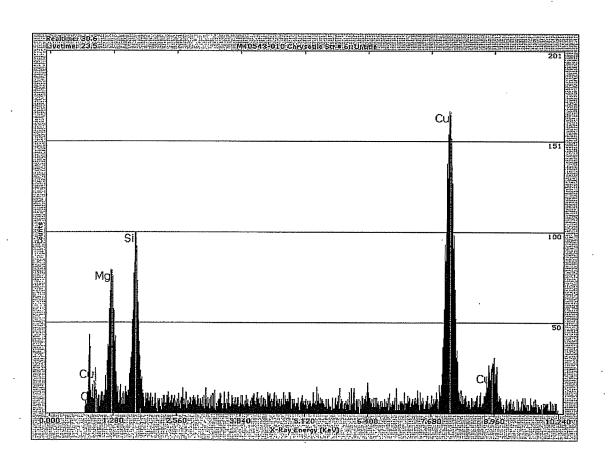


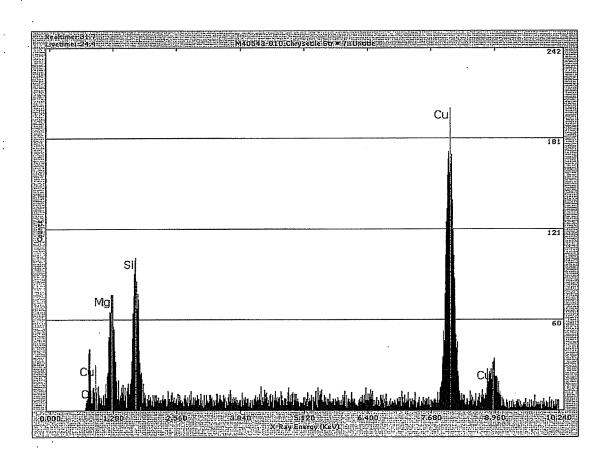


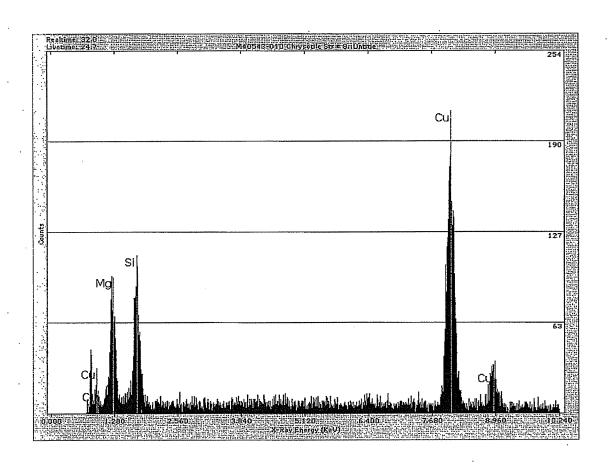


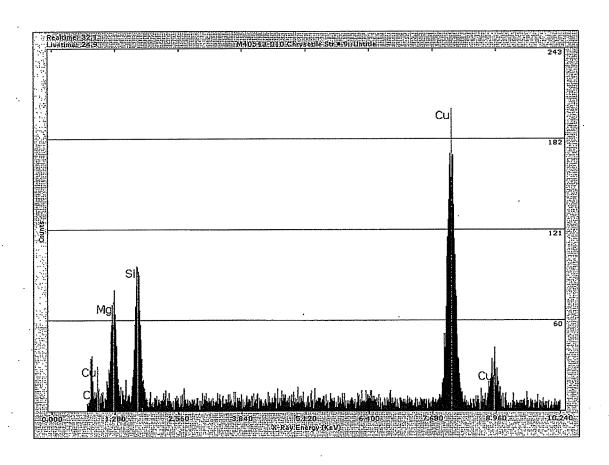


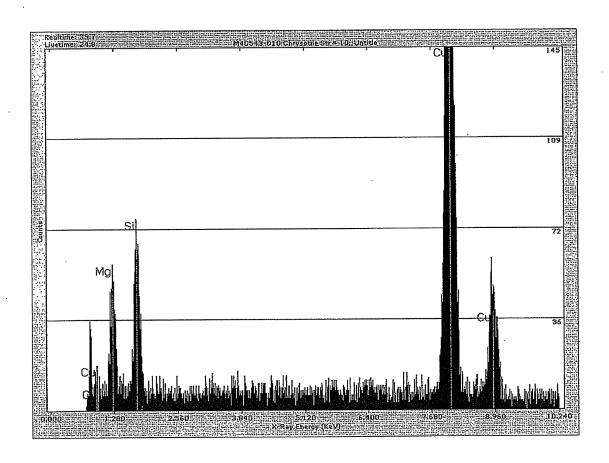


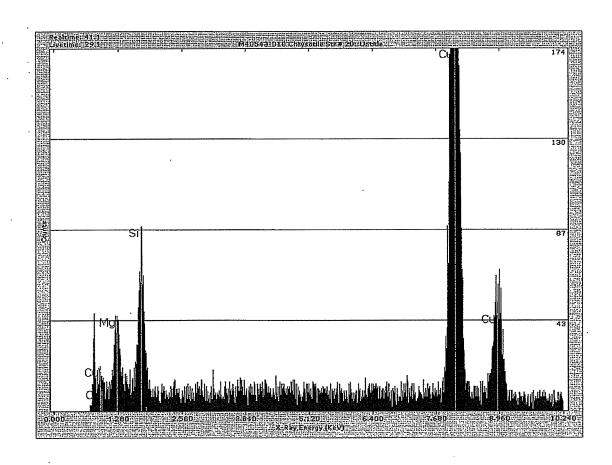












## TEM DUST ANALYSIS M40543 011

	and Hilled Dust		ş				Clier	it Sample	ID:	ASH	1 2
Settled Dust Samples  Sample Area/ Volume:  Filter Type:  Pore size:  Effective Filter Area:  Sample type:  Analysis type:  Grid Acceptance			100 cm MCE 47mm 0.45 1297 Dust Dust Yes	. <b>2</b> 15 %			S Accele	Date Analy Ana scope Num rating Vol ndicated Screen Grid	llyst: nber: tage: Mag: Mag:	:	impson
Str ≥5	itr < 5um: 7 itr ≥5um: 0		Number of grids: 2 #1: 106 Number of openings: 10 #2: 103			<del></del>	#3: 105 Average Grid Size: 0.010919 #4: 104 Total Area Analyzed: 0.109				
<b>Fotal S</b> Volume : Dilution	Filtered	8 ml 12.5	Str	Str / so	-	9.656E+ 0.000E+					39E+04 00E+00
Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:	
1	D9-J4	С	F	2.00	0.10	x	x	Z			
2	Н4	С	M-F	2.00	0.10	х	M36335	¥	V		
3	F4	С	F	0.80	0.10	x	x		П		
	D4		NSD							$\Box$	
4	B4	С	F	1.00	0.05	x	x	<b>Z</b>			
5	D8-C1	С	F	2.00	0.10	x	x	V	П		
	C2		NSD						П	· · ·	
	C3		NSD						П		
6	C4	С	F	0.90	0.05	x	x	₹			
7	Н3	<b>c</b>	F	1.00	0.10	x	х	₩.	M4054		

C - Chrysotile

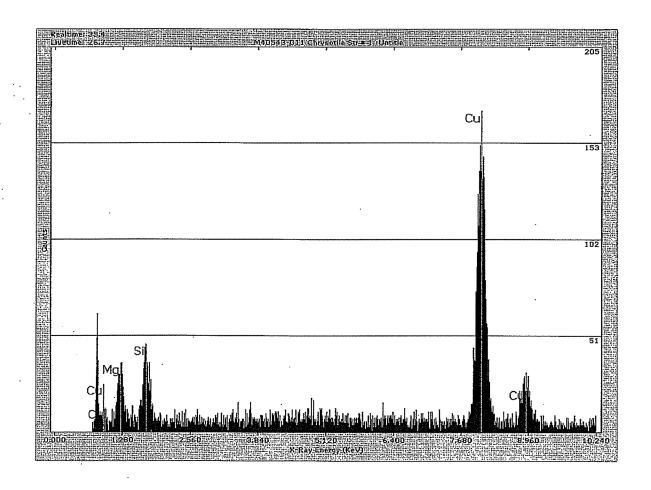
NSD - No Structure Detected

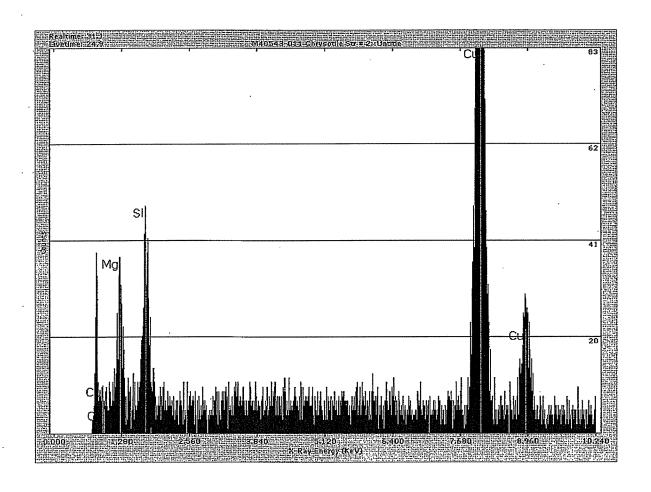
TR - Tremolite CR - Crocidolite

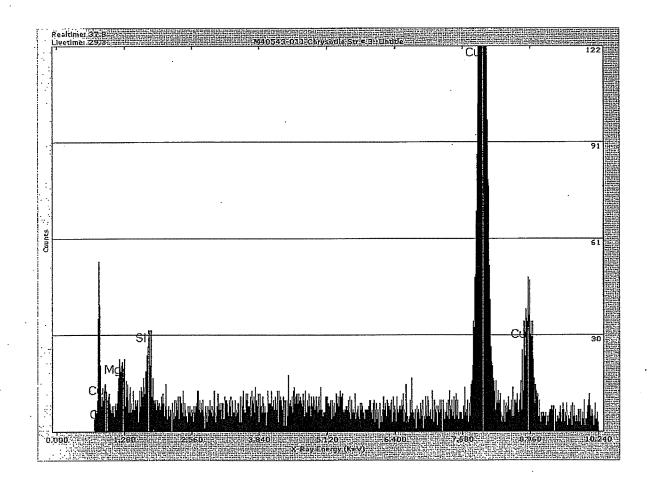
B - Bundle

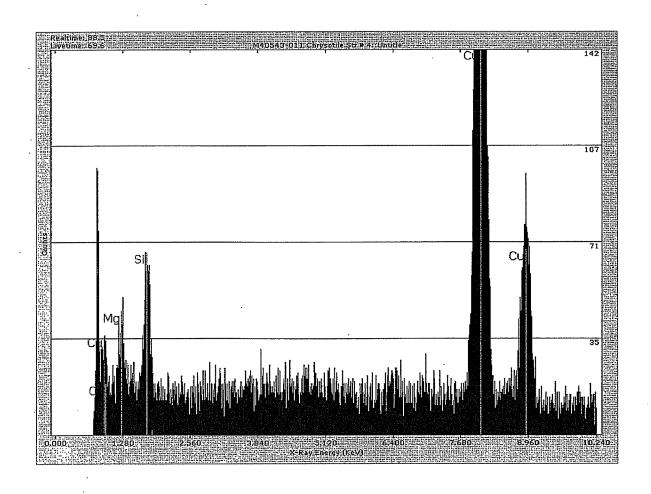
AN - Anthophyllite M - Matrix

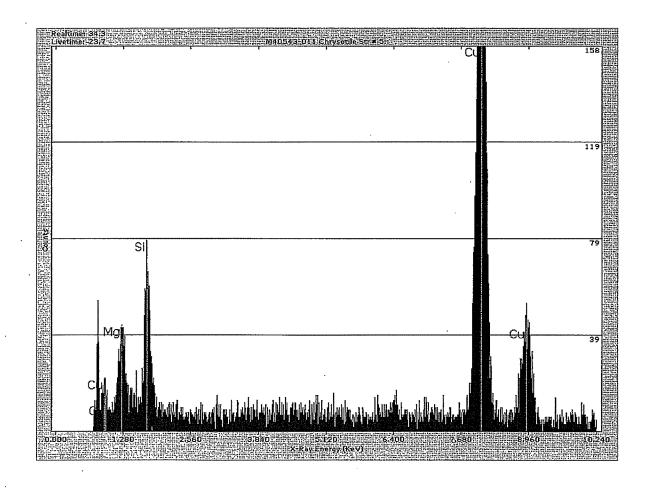
AC - Actinolite

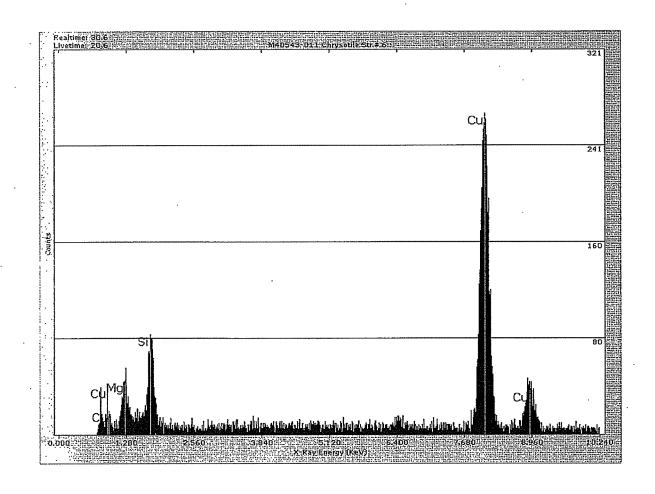


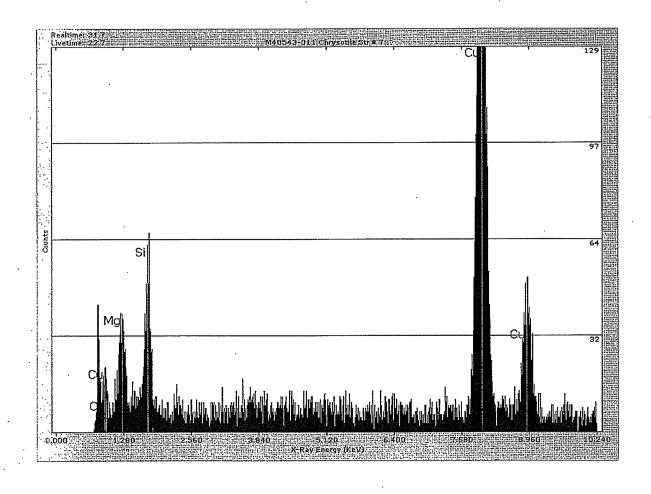












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Unit 2 Building
Arkansas State Hospital (ASH)

## TEM DUST ANALYSIS M40543 012

Dies and Hile, LLP Settled Dust Samples	S		Client Sample ID:	ASH 21	
Sample Areal Volume: Filter Type: Pore size: Effective Filter Area: Sample type: Analysis type: Grid Acceptance	100 cm2 MCE 47mm 0.45 1297 Dust Dust YES 25 %		Date Analyzed: Analyst: Scope Number: Accelerating Voltage: Indicated Mag: Screen Mag: Grid_box:	10/13/2006 MAM 4 100 KV 25 KX 20 KX 7192	
Str < 5um: 0 Str ≥5um: 0	Number of grids: Number of openings:		103 Average Grid 101 Total Area Anal	<del></del>	
Total Str: 0 Volume Filtered 50 ml	Str / sqr	ft 0.000E+00	Str / cı	m2 0.000E+00	
Dilution Factor 2	Str/sqrft >=	5 0.000E+00	Str / cm2 >	=5 0.000E+00	
Str#: SquarelD: Type:	Structure: Length	Width Morph:	SAED: EDS: Photo:	Sketch:	
C10-C8	NSD				
E7	NSD				
F4	NSD .		5 D	5	
H4	NSD				
F5	NSD				
C9-E9	NSD				
H4	NSD				
D10	NSD		0 0	<u>i</u> ;	
D9	NSD				
D2	NSD				
			<u>.</u>	□ 3 012	
			14,700-1	10 0.00	
İ					

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber

CR - Crocidolite

B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite